



RXSOL

CHEMO PHARMA INTERNATIONAL

Technical Data Sheet (TDS)

RXSOL-40-4028-025

Corrosion Inhibitor Closed Open Cooling Water System

CHILLER UNIT CORROSION INHIBITOR

Description

RXSOL-40-4028-025 a unique formulation with organic Corrosion Inhibitors , Anti-Scalant for use in closed cooling water systems , for preventing corrosion and scale Formation in Internal combustion engines, compressor cooling system, DG -set at high or low temperature. It is a concentrated liquid , also used as a corrosion inhibitor (Protects all the metals including cast iron , mild steel , copper.

This product also contains Benzotriazole , which is very effective effective corrosion inhibitor for copper and its alloys by preventing undesirable surface reactions. It is known that a passive layer, consisting of a complex between copper and benzotriazole, is formed when copper is immersed in a solution containing benzotriazole. The passive layer is insoluble in aqueous and many organic solutions. There is a positive correlation between the thickness of the passive layer and the efficiency of preventing corrosion. The exact structure of the copper-BTA complex is controversial and many proposals have been suggested.

Note:-

The stable oxide film that is formed by RXSOL-40-4028-025 prevents corrosion caused by electrolytic action between dissimilar metals used in the system .

RXSOL-40-4028-025 has been field tested and found to have no detrimental effects on non metallic substances such as seals, glands, packing, hoses, gaskets etc., normally used in these' systems.

How to use

1. Properly clean the system with water and alkaline liquid , if necessary.
2. Add 0 .15-1.5 % of RXSOL-40-4028-025 in system or recommended Nitrite level 1400 – 2500 ppm can be measured and controlled by any standard RXSOL test kit for Nitrite, Chloride test also helps to detect excess contamination to maintain accepted levels .
3. When the product is dosed as recommended limit By buffering action of RXSOL-40-4028-025 , pH should be maintained between 8.3 and 10 by the treatment.

Note:-

Initial dosage for an untreated system is 9 litres of RXSOL 2000 / 1000 litres of untreated distilled water. This will bring the treatment up to the minimum level of 1000 ppm nitrite.

For use in Diesel Engine: Best result and prolonged engine life : add RXSOL-40-4028-025 every 500 -6500 km. or 250 to 300 hours of running time or every 2 month interval .

Specification

Parameters		Values
Sp. Gravity	:	1.1-1.25
pH	:	11.3-11.5
Freezing Point	:	17 deg c
Odour	:	Characteristic

Features and Benefits

- Prolong the life of equipment by keeping scale and corrosion free. Since RXSOL-40-4028-025 is alkaline and so will suppress acid corrosion, which would otherwise result in corrosion damage such as pitting. However, the alkalinity control is such that even if the product is accidentally overdosed, the pH of the water will remain within limits. The metals which would be affected by extremes of alkalinity or acidity are protected.
- Improves generating cooling efficiency by maintaining a clean heat transfer
- Corrosion protection by using superior corrosion inhibitor.
- Reduced maintenance and down time
- Compatible with Coolants / Antifreeze solution / Glycol .
- Friendly with Metals (Like steel, Copper, Aluminum, all alloys) & Non-metal (Rubber, Hoses, Gasket etc.)

Note :-

In cases where systems are contaminated with oil and/or scale they should be cleaned before starting to apply RXSOL-40-4028-025 .There are suitable RXSOL BRAND products to carry out the cleaning. Degreasing should be carried out using RXSOL Degreaser Heavy Duty.

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